



DIVISION OF MINES  
BOARD OF COAL MINING EXAMINERS  
CERTIFICATION REQUIREMENTS

***UNDERGROUND or SURFACE ELECTRICAL REPAIRMAN - KY to VA***

**NOTE: EFFECTIVE 12/07/99 VA WILL RECOGNIZE KY ELECTRICAL CERTIFICATION. THIS IS NOT A RECIPROCAL AGREEMENT - KY DOES NOT RECOGNIZE VA CERTIFICATION.**

Article 3 of the Coal Mine Safety Laws of Virginia establishes requirements for certification of coal mine workers. The certification requirements are included in §45.1-161.24 through §45.1-161.41 in which the Board of Coal Mining Examiners is established for the purpose of administering the certification program. The Board has promulgated certification regulations 4 VAC 25-20 (VR 480-04-2), which set the minimum standards and procedures required for Virginia coal miner examinations and certifications.

**CERTIFICATION CLASSIFICATION:** *\*Underground Electrical Repairman or Surface Electrical Repairman - KY to VA - Renewal must be in accordance with MSHA's electrical annual retraining requirement*

This certification authorizes the holder to:

- Perform electrical work and inspections at all surface areas of underground mines and at surface and underground coal mines
- Make examinations on electrical equipment
- Conduct and record results of electrical examinations

**APPLICATION/EXPERIENCE REQUIREMENTS:**

- Application (BCME-1) and \$10.00 fee 5 working days prior to examination
- One year of electrical experience in underground coal mining under the direction of a certified underground electrical repairman for ***Underground*** Electrical Repairman or one year of electrical experience in surface coal mining under the direction of a certified surface electrical repairman for ***Surface*** Electrical Repairman or appropriately related work experience approved by the Chief of the Division of Mines
- Six months credit will be granted for electrical educational training from a college, technical school, or vocational school
- Hold a General Miner Certification, if required by law. Miners who have Virginia coal mining experience prior to January 1, 1996, and wish to obtain general miner certification must meet BCME requirement 4 VAC 25-20-255 A.1.2.3. or attend required general miner training.
- Current first aid training (MSHA first aid 5000-23 acceptable)
- Grades from Kentucky (Score of 80%)
- Copy of current Kentucky electrical certification card and current electrical retraining

**EXAMINATION REQUIREMENTS:** A score of 80% on each element of the examination.

***Applicants must pass the practical sections of the Underground Electrical Repairman examination for Virginia to recognize Kentucky electrical certification. If the applicant does not pass, the entire electrical examination must be taken under the regular examination process for VA electrical certification.***

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## **ELEMENTS OF EXAM**

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- Records - Practical Stations (7)
  1. Control Circuit Troubleshooting - Electrical Schematic Reading (ER)
  2. Electrical Examinations - Record Keeping Underground (RU) (*Underground Exam ONLY*)
  3. Electrical Examinations – Record Keeping Surface (RS)
  4. Cable Troubleshooting (CT)
  5. Circuit Breaker Troubleshooting (CB)
  6. Permissibility (PD)
  7. High Voltage Power Move (VP) (*For **Underground** Electrical Repairman Exam ONLY*)

### **RECOMMENDED REFERENCE/STUDY MATERIALS:**

- Electrical Practical Stations Study Material

**The above mentioned study materials are available at the Department of Mines, Minerals and Energy's Big Stone Gap Office, Customer Assistance Center (276) 523-8233 and Keen Mountain Field Office (276) 498-4533.**

**\*8 hours Electrical Repairman continuing education will update this certification.**

**Revised 01/07/04**